

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 07-210091 (71)Applicant : TOYODA GOSEI CO LTD
 (22)Date of filing : 25.07.1995 (72)Inventor : KOBAYASHI TERUO

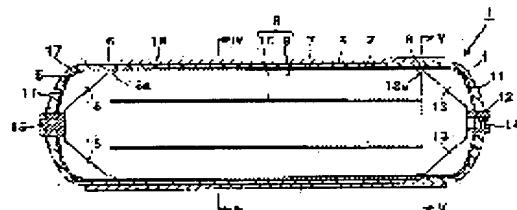
(54) PRESSURE CONTAINER

(57)Abstract:

PROBLEM TO BE SOLVED: To manufacture a pressure container of light weight easily and at low cost.

SOLUTION: A liner 2 of a pressure container 1 is a cylindrical container which comprises an extrusion-worked circumferential wall member 3 of aluminum alloy, and die-cast-worked end wall members 4, 5 for right and left ends of aluminum alloy, which are connected to each other by weld parts 6. The circumferential wall member 3 integrally includes a cylindrical circumferential wall part 7 and a reinforcement rib part 8 connecting its inner circumferential surfaces to each other, and the reinforcement rib part 8 comprises three rib plates 9 radially disposed in a cross sectional surface, and pipes 10 connecting inner ends of these to each other.

Thickness of the circumferential wall member 3 is set to be 1-2mm. On an outer circumferential of a liner 2, a helical winding reinforcement layer 17 and a hoop winding reinforcement layer 18 of FRP are provided.



LEGAL STATUS

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